

AMENDMENTS TO THE ABSTRACT:

Please amend the Abstract as follows:

ABSTRACT OF THE DISCLOSURE

A magnetic resonance imaging apparatus ~~comprises~~includes an RF coil unit which generates RF pulses toward a subject, and which receives an MR signal from the subject, ~~gradient~~Gradient magnetic field coils which generate a gradient magnetic field for slice selection, a gradient magnetic field for phase encoding and a gradient magnetic field for frequency encoding, respectively, ~~an~~ An arithmetic unit which generates image data on the basis of the MR signal, and a sequence controller ~~which controls the second~~phase encoding gradient magnetic field coils in order to generate flow pulses for dephasing or rephasing ~~at the~~ MR spin of a blood flow within the subject, in the same direction as that of the phase encoding gradient magnetic field.